IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.   (currently amended) A method for registering at least one wireless access point in a wireless area network (WAN), comprising:

broadcasting, from a WAN gateway, a discovery message [[to]] toward said at least one wireless access point in said WAN;

receiving at said WAN gateway, from at least one wireless access point receiving said discovery message, an access point registration request comprising access point location, IP address, MAC address, radio type, and power level information of said wireless access point; and

storing said access point registration request information at said WAN gateway.

2.   (previously presented) The method of claim 1, wherein each wireless access point selects a random delay prior to sending said access point registration request to said broadcasting WAN gateway.

3.   (currently amended) A method for registering a wireless access point in a wireless area network (WAN), comprising:

broadcasting a gateway discovery query message from said wireless access point;

receiving, from at least one WAN gateway, a respective service discovery message;

selecting, by said wireless access point, an appropriate WAN gateway in an instance where more than one service discovery message is received; and

sending an access point registration request comprising access point location, IP address, MAC address, radio type, and power level information of said wireless access point [[to]] toward said selected WAN gateway.

4.   (previously presented) The method of claim 3, wherein said selecting further comprises:

> determining if said wireless access point is currently registered; and
>
> sending said service discovery message to said wireless access point.

5.   (previously presented) The method of claim 3, wherein said selecting comprises:

> determining an appropriate WAN gateway using at least one of the following: a cost of using a WAN gateway, a load at a WAN gateway, and system features provided by a WAN gateway.

6.   (original) The method of claim 3, wherein said sending an access point registration request further comprises sending security information in said access point registration request.

7.   (previously presented) The method of claim 6, wherein each wireless access point selects a random delay prior to sending said access point registration request to said WAN gateway.

8. – 32. (canceled)